



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 27
Deepwater Horizon Incident, Gulf of Mexico
Date: May 24, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 21, 2010 0700 – May 25, 2010 0700
Reporting Period: May 23, 2010 1300 – May 24, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident **FPN#:** N10036
Mobilization Date: 4/27/2010 **Start Date:** 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/24:
 - 17,840 personnel and 1,167 offshore vessels are currently responding to the incident.
 - Over 1.75 million feet of containment boom and 997,000 feet of sorbent boom have been deployed.
 - Over 257,000 barrels of an oil-water mix have been recovered.
 - On 5/23, 8 controlled burns were conducted. A cumulative total of 48 controlled burns have been conducted.
 - On 5/23, containment operations on the Discoverer Enterprise were conducted using a Riser Insertion Tube Tool to optimize recovery rates.
 - Subsea dispersant injection continued on 5/23 at a rate of 10 gallons per minute. Crews plan to continue subsea dispersant injection on 5/24.
 - On 5/24, crews plan to continue oil clean-up in LA near South Pass, Chandeleur, Trinity Island, and Fourchon.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for Reporting Period (gal.)	TOTALS to date (gal.)
Surface	18,104	704,958
Subsurface	14,712	116,471

- EPA's Administrator and the Region 6 Administrator visited Louisiana on 5/24. Activities included a tour on the TAGA bus, a boat tour of the coastline of Louisiana and a press conference.

2.1 (USCG) Incident Command Post (Houma, LA)

- BP reported that despite the continued injection of subsurface dispersant, visible oil continues to appear on the surface waters.
- BP has arranged for a mobile lab to mobilize on-site to increase sample processing efficiency.
- BP reported that 30,000 total miles of SCAT segments have been completed. The results indicated that approximately 100 miles of shoreline have been impacted. Approximately 29 miles of impacted shoreline have been permitted for clean-up.
- BP conducted SCAT analysis west of Marsh Island, LA to Sabine Pass. No oil was observed beyond the area immediately west of Marsh Island, LA.

2.2 (USCG) Area Command Post (Robert, LA)

- Personnel prepared visual aids displaying site activities near the wellhead.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA - 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at Fire Station on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Mobile Command Post in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.

- Air Monitoring/sampling Station V03 exceeded the 10 ppm action level for VOCs for approximately 40 minutes. This area contains cylinders that are moved by forklifts, which may have caused the spike in data. A Draeger tube was used to test for Benzene. The result of the Draeger tube analysis indicated that benzene was not detected.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/23
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	3	3	6
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	259	138	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- The Chalmette water operations team plans to collect water samples from four target locations in the Terrebonne and Timbalier Bays area (NCA10-1336, NCA10-1332, NCA10-1328, 0009). Samples will be collected from these locations once every 3-5 days. On 5/23, a sample was collected from one of the points of concern (Location NCA10-1336).
- Additionally, the Chalmette water operations team collected three samples from different pre-determined locations in the Timbalier Bays area (NCA10-2337, NCA10-2333, NCA10-2331).
- The Chalmette water operations team noted dispersed oil and a dispersant sheen west of Port Fourchon, LA.
- On 5/23, the Venice water operations team collected water samples from six target locations in the area near the Southeast and Northeast Passes of the Mississippi River (NCA10-2001, NCA10-2002, NCA10-1347, NCA10-1355, NCA10-1361, NCA10-1352).

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/23
Venice	6	0	6
Chalmette	4	0	4
TOTAL TO DATE	114	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/23, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern MS and AL from Stennis, MS to Dauphin Island, AL. All observed OD-00 and OD-27 indicator compounds were associated with a point source.
- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/24 in Southern LA.

2.6 ASPECT.

- On 5/23, ASPECT documented a fire approximately 150 miles southeast of Houma, LA. The fire started at 1307 and lasted approximately 40 minutes. No other fires were observed.
- On 5/23, ASPECT conducted a reconnaissance flight to locate oiled shoreline and beaches in the area south of Venice, LA near South Pass, LA. A large area of oiled beach was located at the mouth of South Pass. IR, spectral and photographic data was collected for the area.
- On 5/24, ASPECT began documentation of two fires located approximately 115 miles and 120 miles southeast of Chalmette, LA.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets**3.1 Current Assets Deployed**

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Slidell, LA	TOTALS
EPA								
- OSC	3		1		3	1		8
- RSC	5	1	1					7
- PIO		3						3
- Other	3	2	1	1				7
START	3				13	15		31
ERT Contractor								
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	14	6	3	1	16	16	9	65

Deployed Equipment

Equipment	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Slidell, LA	TOTALS
Mobile Command Post						1		1
ASPECT							1	1
TAGA Bus							1	1
LRV		1			1			2
Gooseneck Trailer						1		1
20 KW Generator						1		1
Dually Truck (R7)					1			1
Boat (R7)					1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Est. Personnel Cost	Est. Travel Cost	Est. Contracts/ Purchase Spent	Total Est. Cost/Spent	Total Contract/ Purchase Oblig.	Total USCG PRFA Ceiling	Balance	Est. Daily Burn Rate	Days left
USCG PRFA FPN N10036	\$330,424	\$145,380	\$2,659,910	\$3,135,714	\$3,403,355	\$4,577,819	\$1,442,105	\$125,135	12
TOTAL EPA FUNDED	\$330,424	\$145,380	\$2,659,910	\$3,135,714	\$3,403,355	\$4,577,819	\$1,442,105	\$125,135	12
Region 6 Indirect Rate 13.12%						\$600,610			
Louisiana Total	\$330,424	\$145,380	\$2,659,910	\$3,135,714	\$3,403,355	\$5,178,429	\$1,442,105	\$125,135	12



Figure 1 – Aerial view of oiled beach south of Venice, LA.

[illegible]

Nearshore Surface Oil Forecast Mississippi Canyon 252

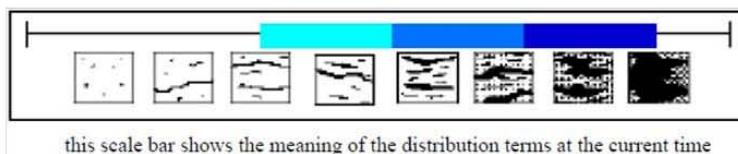
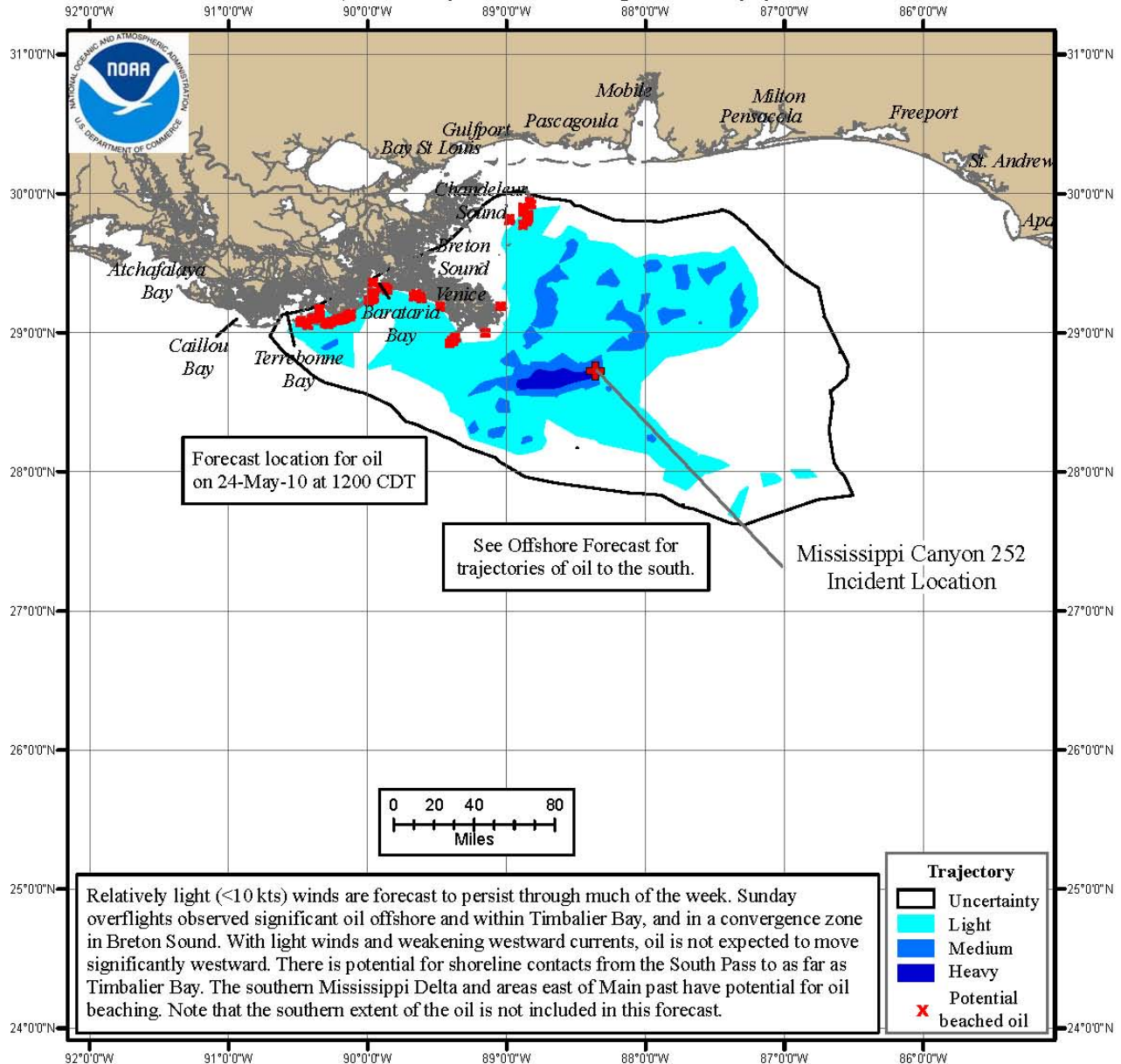
NOAA/NOS/OR&R

Nearshore

Estimate for: 1200 CDT, Monday, 5/24/10

Date Prepared: 2100 CDT, Sunday, 5/23/10

This forecast is based on the NWS spot forecast from Sunday, May 22 PM and the NWS/NCEP gridded NAM winds. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, TAMU/TGLO, NAVO/NRL) and HFR measurements. The model was initialized from Saturday satellite imagery analysis (NOAA/NESDIS) and Sunday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Next Forecast:
May 24th PM